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Overview of the U.S. Indian Ocean Tsunami Warning System (IOTWS) Program

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USGS
science for a changing world





IOTWS Program Objective

Strategic support towards the development of an integrated, end-to-end IOTWS in contribution to UNESCO/IOC and ICG/IOTWS

- ♦ Total USG IOTWS budget: \$16,596,000
- ♦ Program period: August 2005 - September 2007
- ♦ USAID RDM/A provides management and coordination for overall program



Implementing Partners



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USAID & Program Integrator contractor (\$6.2m)

Management, training, tech resources, preparedness & mitigation



NOAA (\$4.5m)

Tsunami detection & warning systems, communications, preparedness



USGS (\$2.1m)

Seismic detection systems, hazard mapping & modeling



USDA Forest Service (\$1.3m)

Incident command & tsunami alert systems



USTDA (\$2.5m)

Communication & emergency systems



Geographic Focus

- **Indonesia, Sri Lanka, India, Thailand, and the Maldives**
- Regional-level activities support all 27 Indian Ocean countries





US IOTWS Program Approach

- Regional, national, and local level interventions
 - ♦ Capacity building with targeted technology transfer
- Multi-hazard
 - ♦ Tsunamis and other coastal hazards
- Catalytic impact
 - ♦ Regional institutions strengthened for long-term IOTWS support and sustainability
 - ♦ Combination of model actions at national levels with regional replication of best practices
 - ♦ Partnerships and coordination



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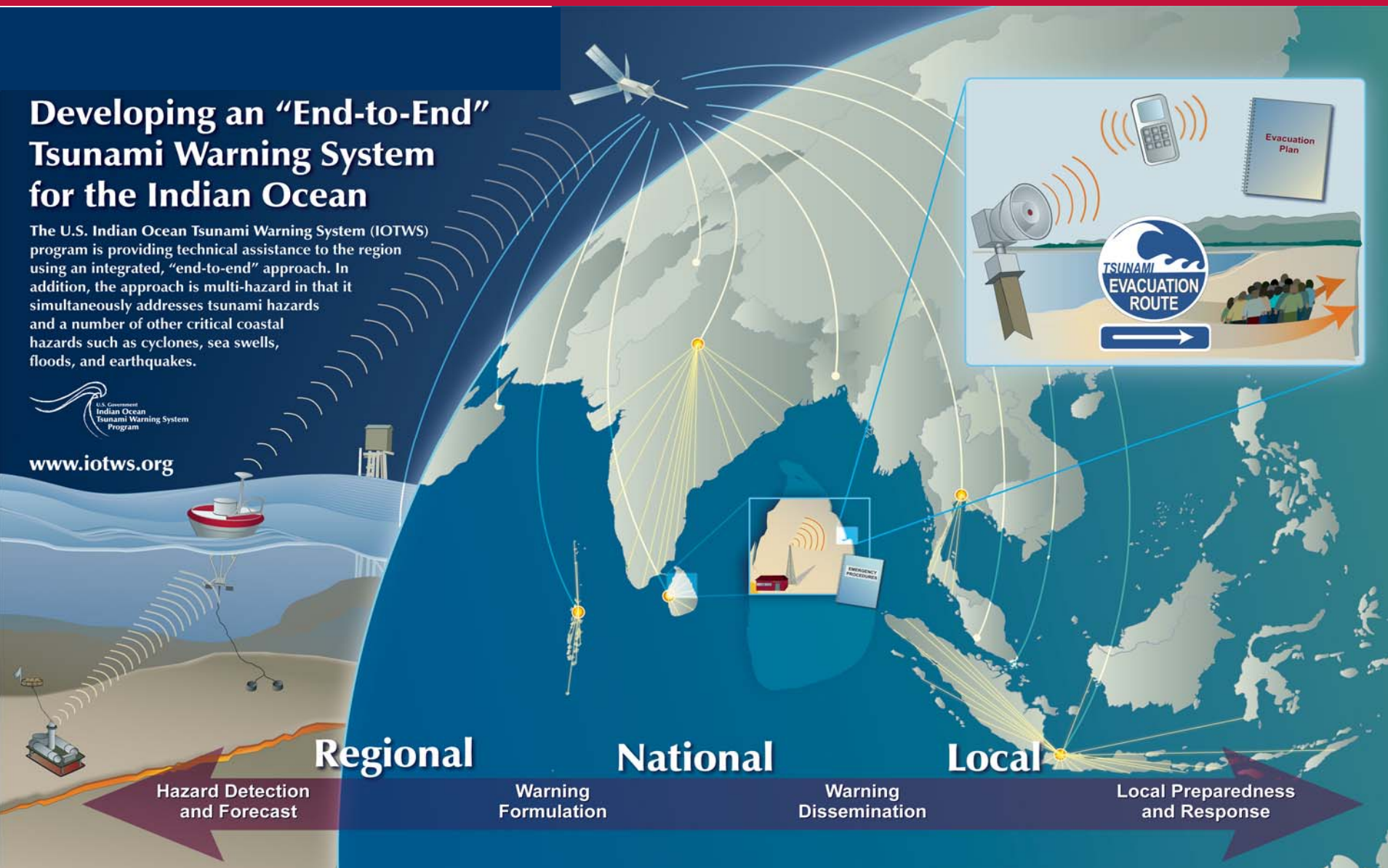


Developing an “End-to-End” Tsunami Warning System for the Indian Ocean

The U.S. Indian Ocean Tsunami Warning System (IOTWS) program is providing technical assistance to the region using an integrated, “end-to-end” approach. In addition, the approach is multi-hazard in that it simultaneously addresses tsunami hazards and a number of other critical coastal hazards such as cyclones, sea swells, floods, and earthquakes.



www.iotws.org





Program Areas

- ***Regional*** hazard detection, observation, & forecasting
 - ♦ Tsunami and earthquake detection, communications
- ***National*** warning formulation & communication
 - ♦ Warning center operations, warning dissemination
- ***Local*** preparedness & mitigation
 - ♦ Coastal community resiliency, mitigation
- ***Cross-Cutting***
 - ♦ Exchanges & training
 - ♦ Small Grants



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